

VALKA, O.; BARTIK, B.

Mechanization of unified soil recording by means of punched-card machines.  
(To be contd.)

P. 135, (Geodeticky A Kartograficky Obzor) Vol.3, no.7, July 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acquisitions (EEAI) Vol. 6, No.11 November 1957

VALKA, O.; BARTIK, B.

Mechanization of unified soil recording by means of punched-card machines.  
(Conclusion)

P. 157, (Geodeticky A Kartograficky Obzor) Vol.3, no.7, July 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEA) Vol. 6, No. 11 November 1957

VALKA, O.

Reduction of inclined lengths measured by a steel tape. p. 113.

GEODETICKY A KARTOGRAFICKY OBZOR. (Ustredni sprava geodesie a kartografie) Praha,  
Czechoslovakia. Vol. 5, no. 6, June 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 12, December 1959,  
Uncl.

S/270/63/000/001/023/024  
A001/A101

AUTHOR: Val'ka, Ol'dzhikh

TITLE: Possibilities of using computing, punching and automatic computing machines for geodetic purposes in Czechoslovakia

PERIODICAL: Referativnyy zhurnal, Geodeziya, no. 1, 1963, 42, abstract 1.52.276 ("Compte rendu 1-er sympos. internat. calculs géod. Cracovie, 1959", Cracow, 1961, 311 - 320, German summary)

TEXT: Brief information is given on Czechoslovakian computing-analytical machines Arithma, electronic computer CAPO (SAPO) and automatic coordinograph, as well as on the use of these machines for geodetic purposes. The computing-analytical machines Arithma T-50 and Arithma T-520 perform elementary arithmetic operations and some combined operations of types  $a+b$ ;  $(a+b)\cdot c$ , etc. The operations are performed with figures taken from a punched card, and the results are punched in the same or a next card. The rate of computations is 6 - 8 thousand card passages per hour. If the result is punched in the same card, addition takes 0.6 sec, division - 1.2 sec. These machines carry out coordinate

Card 1/2

S/270/63/000/001/023/024  
A001/A101

Possibilities of using...

transformations from the Krzakov system into the Gauss system, calculation of direct and inverse intersections, calculation of increments in polygonometric networks, processing of tacheometric surveys, calculation of areas from rectangular and polar coordinates of corresponding points, and some problems of photogrammetry. These calculations are performed approximately 2 - 5 times as fast as with conventional desk computers. Money saving amounts to 0 - 300%. Small systems of linear equations have been solved by the Gauss method, as an experiment. The SAPO computer has a five-address system of commands. This computer is used for the time being only in small experimental works for geodetic purposes. The automatic coordinatograph, developed in the Research Geodetic, Topographic and Mapping Institute in Prague, is devised for calculating and punching coordinates of a point at which the microscope is aimed, and for fixing the points according to coordinates punched in the cards (punched tapes). The instrument is not as yet manufactured.

A. Sazonov

[Abstracter's note: Complete translation]

Card 2/2

S/035/62/000/004/056/056  
A001/A101

AUTHOR: Valka, O.

TITLE: The program-controlled coordinatograph for automatic recording of situation

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 4, 1962, 41, abstract 4G247 ("Sb. výzkumn. prací. Výzkumn. Ústav geodet., topograf. a kartograf.", 1961, v. 6, no. 3, 113-144, Czech; Russian and German summaries)

TEXT: The author describes the project of an automatic machine which will enable one to fix on a plan the coordinates of points, to insert them into memory devices (punched card, punched tape, tape recorder), or to transfer them on the plan from the memory device. A special control device safeguards the control of performed operations and stops the device if the data are erroneous, or signalizes by light or buzzer. Connection of points is carried out according to a program compiled in advance and recorded on a transparent film. If desired, a distance between the points can be measured and fixed in the device memory. The project supposes to utilize existent models of manual

Card 1/2

S/035/62/000/004/056/056  
A001/A101

The program-controlled coordinatograph ...

coordinatographs which are supplemented with reading and transferring accessories along each axis. A relay system provides for different motion speeds in sec (0.5 - 5 dm). The general scheme of the machine and its individual units are illustrated by drawings. The presumed accuracy of inserting coordinates of points amounts to  $\pm 0.05$  -  $\pm 0.1$  mm. It is possible to insert a point in 10 sec, and to trace a line of 30 cm length in 15 sec. There are 7 references.

G. Glovatskiy

[Abstracter's note: Complete translation]

Card 2/2

S/035/62/000/011/075/079  
A001/A101

AUTHORS: Štěpán, Jaromír, Válka, Oldřich

TITLE: Determination of point coordinates by transformation

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 11, 1962, 30,  
abstract 11G214 ("Geod. a kartogr. obzor", 1962, v. 8, no. 6,  
107 - 112, Czech)

TEXT: If the extension of a control network is conducted on the basis  
of two known points, the coordinates of the points being determined are cal-  
culated by the formulae:

$$Y = ay_r + bx_r + Y_o,$$

$$X = ax_r - by_r + X_o,$$

where

$$a = \frac{y_r y_r + x_r x_r}{y_r^2 + x_r^2}, \quad b = \frac{y_r x_r - x_r y_r}{y_r^2 + x_r^2}, \quad Y_r = Y - Y_o,$$

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S/035/62/000/011/075/079

A001/A101

Determination of point coordinates by transformation

$$x_r = x - x_o, \quad y_r = y - y_o, \quad x_r = x - x_o,$$

$$Y_o = 1/2 (Y_1 + Y_2), \quad X_o = 1/2 (X_1 + X_2),$$

$$y_o = 1/2 (y_1 + y_2), \quad x_o = 1/2 (x_1 + x_2);$$

Quantities  $Y_r$ ,  $X_r$ ,  $y_r$ ,  $x_r$  are coordinates reduced to the common origin of the main and auxiliary systems ( $Y_o$ ,  $X_o$ ,  $y_o$ ,  $x_o$ ). The following formulae serve as a control:

$$[Y] = a [y_r] + b [x_r] + n \cdot Y_o,$$

$$[X] = a [x_r] - b [y_r] + n \cdot X_o,$$

where  $n$  is number of transformed points. This method can be applied also for the solution of the Hansen problem. In determining coordinates of the points of a triangle chain from coordinates of the two given points, the rms error in position

Card 2/4

S/035/62/000/011/075/079

A001/A101

Determination of point coordinates by transformation

of vertices of the first triangle is calculated by the formula:

$$m_{xy} = \pm S \frac{m\alpha}{\rho^n},$$

where  $S$  is distance between the known point and that being determined,  $m\alpha$  is rms error in angle measurement,  $\rho$  is radian. The rms errors in positions of vertices of the subsequent triangles are equal to  $M_{yx} = m_{yx} \sqrt{n}$ , where  $n$  is the ordinal number of triangle. If there are more than two known points, transformation coefficients are calculated by the formulae:

$$\alpha = \frac{[(y_r - y_r) \cdot x_r] - [(x_r - x_r) \cdot y_r]}{[x_r^2] + [y_r^2]},$$

$$\beta = \frac{[(y_r - y_r) \cdot y_r] + [(x_r - x_r) \cdot x_r]}{[x_r^2] + [y_r^2]}.$$

Card 3/4

Determination of point coordinates by transformation S/035/62/000/011/075/079  
A001/A101

The following formulae are recommended for calculating coordinates:

$$y'_{i+1} = y'_i + (1 + \beta) \cdot \Delta y_{i,(i+1)} + \alpha \Delta x_{i,(i+1)},$$
$$x'_{i+1} = x'_i + (1 + \beta) \Delta x_{i,(i+1)} - \alpha \Delta y_{i,(i+1)}.$$

It is noted that the application of the proposed method for calculating coordinates of points being determined, reduces the number of measurements at expense of some increase of calculations, which is not burdensome at the present state of calculation technique. There are 6 references,

N. Modrinskiy

[Abstracter's note: Complete translation]

Card 4/4

VALKA, Oldrich, inz., dr.

Mechanization of the processing of measurements made by digital methods. Geod kart obzor 8 no.12:221-225 D '62.

1. Vyzkumny ustav geodsticky, topograficky a kartograficky, Praha.

JIRA, Jaroslav, inz.; VALKA, Oldrich, inz. dr.

Aritma relay control system for coordinographs. Automatizace 6  
no.6:l43-l45 Je '63.

1. Aritma, n.p., Praha (for Jira). 2. Vyzkumny ustav geodeticky,  
topograficky a kartograficky, Praha (for Valka).

Valek Oldrich, inz. dr.

New mechanization means for processing measurement results  
and their use. Geod kart obzor 9 no. 5: 117-122 My '63.

1. Vyzkumny ustav geodeticky, topograficky a kartograficky,  
Praha.

VALKA, Oldrich, inz. dr.

Logical relations in automation. Geod kart obzor 10 no. 4:  
86-92 Ap '64.

1. Research Institute of Geodesy, Topography and Cartography,  
Prague.

VALKA, Oldrich, inz. dr.

Logical relations in automation. Geod kart obzor 10  
no.5:98-101 My'64.

1. Research Institute of Geodesy, Topography and Cartography,  
Prague.

VALKA, Oldrich, doc. inz. dr.

Conception of the point field and its stabilization. Geod  
kart obzor 10 no.9/10:210-212 0 '64

VALKA, Oldrich, inz. dr.

Analytic computation of building lot groups and large building lots on the T 520 computer. Geod kart obzor 1:13-16 Ja '65.

1. Research Institute of Geodesy, Topography, and Cartography, Prague.

L 10599-66

ACC NR: AP6001019

SOURCE CODE: CZ/0024/65/000/001/0013/0016

AUTHOR: Valka, Oldrich (Engineer; Doctor)

ORG: Research Institute of Geodesy, Topography and Cartography, Prague (Vyzkumný  
ustav geodeticky, topograficky a kartograficky)TITLE: Analytical calculation of the areas of groups and large parcels with the  
T 520 Computer

SOURCE: Geodeticky a kartograficky obzor, no. 1, 1965, 13-16

TOPIC TAGS: computer calculation, computer programming, computer application,  
geodesy, cartographyABSTRACT: The article describes the programming of the analytical calculation.  
The layout of the punched cards, an outline of the operation and an illustration  
of the tabulation arrangement are given. An estimate is made of the time and cost  
of the calculation. Orig. art. has: 3 figures and 4 tables. [JPRS]

SUB CODE: 09, 08 / SUBM DATE: none

UDC: 531.72:681.14

Card 1/1

L 38317-66

ACC NR: AP6027978

SOURCE CODE: CZ/0024/66/000/004/0085/0091

AUTHOR: Vaika, Oldrich (Docent; Engineer, Doctor)

ORG: Research Institute of Geodesy, Topography and Cartography, Prague (Vyzkumný  
ustav geodeticky, topograficky a kartograficky)

TITLE: New modifications of detail surveying methods and surveying in a network of  
detail points

SOURCE: Geodeticky a kartograficky obzor, no. 4, 1966, 85-91.

TOPIC TAGS: triangulation, geodesy

ABSTRACT: The article discusses qualitative analyses and qualitative comparison of  
fixed and free survey lines and makes a qualitative analysis of chains of triangles.  
It is concluded that detail surveying must be executed by economical methods and that  
the quality of the result must be simultaneously checked. This paper was presented  
by Professor, Engineer, Doctor Josef Vykutil. Orig. art. has: 8 figures, 38 formulas  
and 5 tables. [Based on author's Eng. abst.] [JPRS: 36,844]

SUB CODE: 08 / SUBM DATE: none / ORIG REF: 002

Card 1/1 LC

UDC: 528.414

VALKADAYEU, Petr [Valkadaeu, P.]; LUK'YANOVICH, I., red.; YARMOLENKO, V.  
[IARMOLENKA, V.], tekhn. red.

[Andrei Khudziakou, a machinery operator] Mekhanizator Andrei  
Khudziakou. Minsk, Dziarzh.vyd-vo BSSR. Red. masava-palit.lit-  
ry, 1961. 43 p. (MIRA 15:1)  
(Farm mechanization)

VALKAI, Geza, corespond.; TOMAS, Liviu, corespond.

Balance of a trimester rich in achievements. Constr Buc 17  
no.798:1 24 Ap '65.

VALKANOV, A.

*Euglyphella delicatula n. g. n. sp. (Rhizopoda-Testacea)*  
and its copulation. Doklady BAN 15 no.2:207-209 '62.

VALKANOV, A.

Copulation of testaceans (Rhizopoda-Testacea). Doklady BAN  
15 no.3:305-308 '62.

VALKANOV, A.

Parastrigula madarica n. sp. (*Rhizopoda-Testacea*) and its copulation.  
Doklady BAN 15 no.4:423-426 '62.

VALKANOV, A.

Copulation of the genus *Paryganella* Pen. (Rhizopoda-Testacea).  
Doklady BAN 16 no.1:97-100 '63.

VALKANYI, R.

Open cavernotherapy; soviet review. Tuberk. kerdesei  
5 no.2:17-18 June 1953. (CLML 25:5)

1. Doctor.

VALKANYI, Rezso, dr.; HIDASI, Imre

A new type of plaster bed (raised, windowed, and adjusted for defecation and urination) for the prevention and treatment of decubitus in spondylitis, coxitis, and other conditions and useful for complete immobilization of the lower parts of the body. Orv hetil 95 no.17:475-476 Ap '54. (EMAL 318)

1. A Budapesti Janos-korhaz (igazgato: Bakacs Tibor dr.) csont-tbc-sebeszeti osztalyanak kozlemenye.  
(PLASTER CASTS  
plaster bed)

VALKAN' I, Rudol'f, doktor

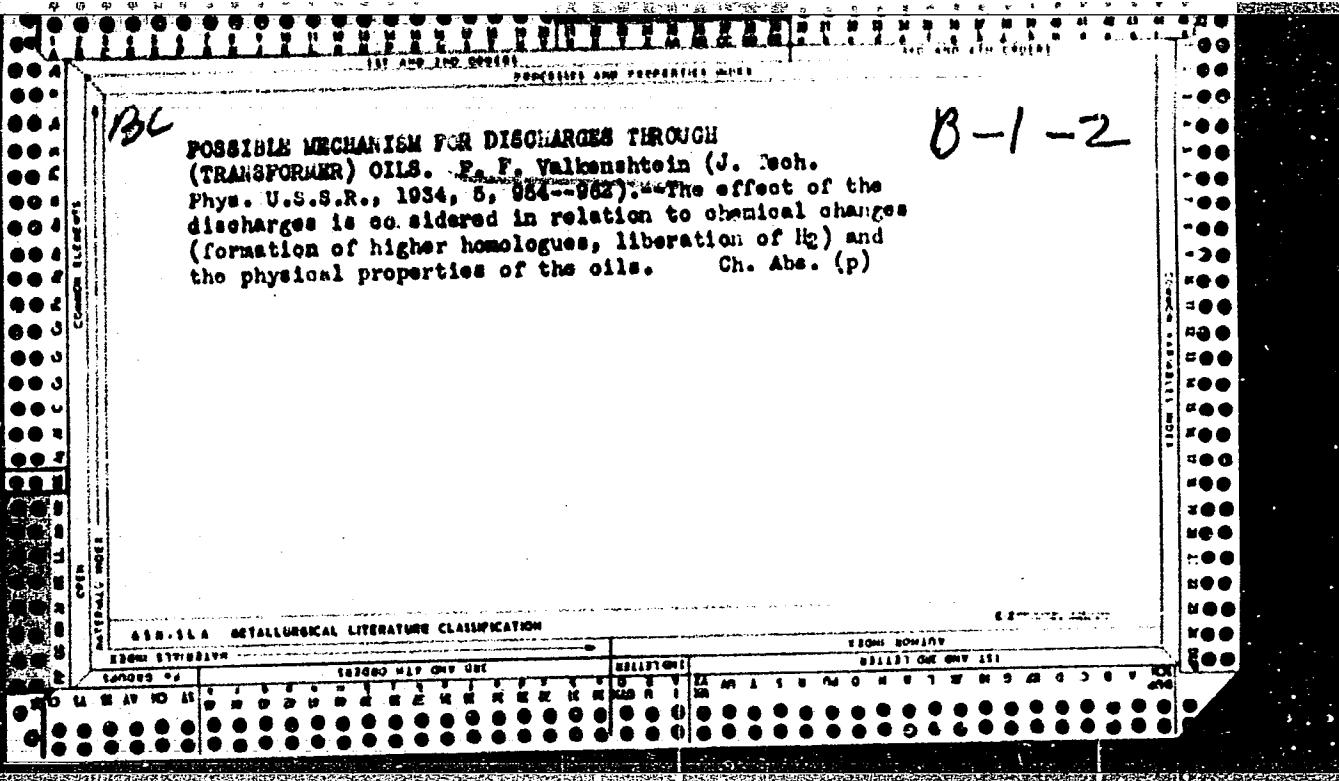
Tuberculoma and hepatic resection. Probl. tub. no. 4:71-72  
(MLRA 7:11)  
Jl-Ag '54.

1. Zaveduyushchiy khirurgicheskim otdeleniyem bol'nitsy (Budapesht,  
Vengriya)

(TUBERCULOMA,  
liver, surg.)  
(LIVER, diseases,  
tuberculosis, surg.)

MITACHI, N., coresp.; IOSIF, B., coresp.; VAIKAY, Geza, coresp.; TOMAS,  
Liviu, coresp.

In short. Constr Buc 17 no.793:4 20 Mr '65.



VAL'KENSSTEIN, M. V.

Val'kenshtein, M. V. Reversible isomerism and optic methods of its study. Pages  
466 -470.

Inst. of High Molecular Compounds  
Acad. of Sci. USSR.

SO: Bulletin of the academy of Sciences, Izvestia, (USSR) Vol. 14, No. 4.  
(1950). Series on Physics.

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858510006-7

VALKER, F.I.

DECEASED  
c1959

1962

~~SECRET~~

SEE ILC

MEDICINE

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858510006-7"

VAL'KH, S.B. (Krasnyy Liman)

Preparation of mosquito hypopygium specimens in practice. Med.  
paras. i paras. bol. no. 2:180 Ap-Je '54. (MLRA 7:8)  
(MOSQUITOES,  
\*hypopygium, prep. of specimen)

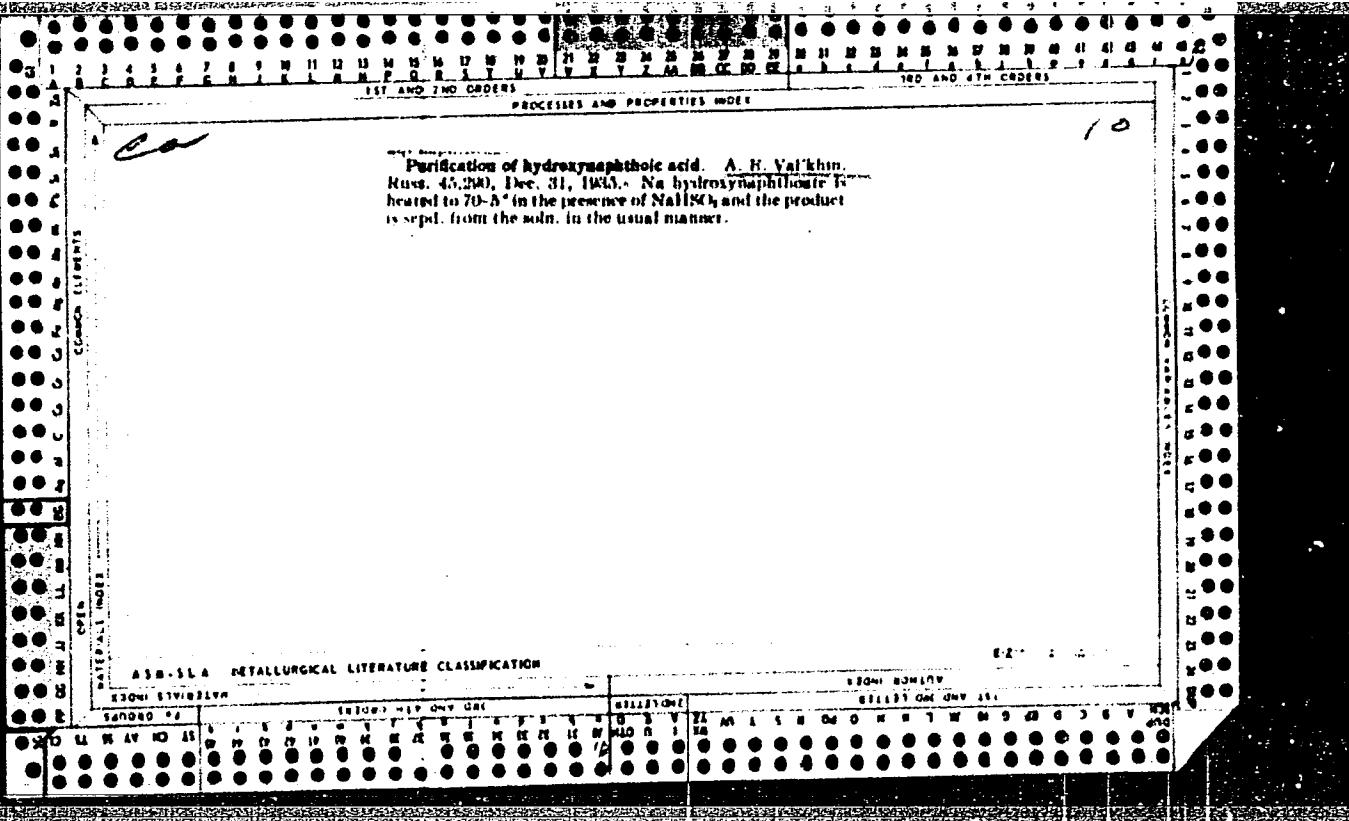
VAL'KIN  
VAL'KH. S.B.

Theobaldia (*G. ulicella*) ochroptera Peus in Stalino Province, Ukraine.  
Med.paraz. i paraz.bol.supplement to no.1:48-49 '57. (MIRA 11:1)

1. Iz Krasnolimanskoy zheleznodorozhnoy sanitarno-epidemiologicheskoy  
stantsii Donetskoy zheleznoy dorogi.  
(STALINO PROVINCE--MOSQUITOES)

VAL'KH, S.B.

Study of the Culicidae in the eastern part of the Ukraine. Med.  
paraz. i paraz.bol. 28 no. 6:687-695 N-D '59. (MIRA 13:12)  
(UKRAINE---MOSQUITOES)



VALKIN, D.M., inzh.

Using a microscope in determining the wear of parts. Mashinostroenie  
no.5:92-93 S-0 '65. (MIRA 18:9)

KABANOV, Konstantin Andreyevich; VALKIN, M.Kh., red.; KHAKHAM, Ya.M.,  
tekhn.red.

[Mineral resources of Ul'yanovsk Province] Poleznye iskopaemye  
Ul'ianovskoi oblasti. Ul'ianovskoe knizhnoe izd-vo, 1958.  
34 p. (MIRA 12:6)  
(Ul'yanovsk Province--Mines and mineral resources)

BEYSOV, P.S.; VALKIN, M.Kh.; GUS'KOV, I.V.; KAZYUKHIN, V.V.; PUSHKAREVA, G.V.; TOMUL', A.I.; KHAKHAM, Ya.M., tekhn. red.

[Ul'yanovsk, the native city of V.I.Lenin; notable places]  
Ul'ianovsk - rodina V.I.Lenina; pamyatnye mesta. Ul'ianovsk,  
Ul'ianovskoe knizhnoe izd-vo, 1963. 220 p. (MIRA 16:10)  
(Ul'yanovsk--Lenin, Vladimir Il'ich, 1870-1924--Homes and haunts)  
(Ul'yanovsk--Guidebooks)

SHIDLOVSKIY, A.A.; VALKINA, K.V.

Heat of formation of sodium iodate and dichromate and of ammonium  
chloroplatinate. Zhur. fiz. khim. 35 no.2:294-297 F '61.  
(MIRA 16:7)

1. Moskovskiy institut khimicheskogo mashinostroyeniya.  
(Sodium salts) (Ammonium salts)  
(Heat of formation)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858510006-7

VAL'KHOV, G. P.

Organization of cargo handling; objectives and examples of operational computations  
Moskva, Izd-vo Ministerstva rechnogo flota SSSR, 1952. 286 p. (53-19170)

T-159.V33

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858510006-7"

KRASNOVA, I.Ye.; VAL'KO, A.V.

Stationary mercury electrode for determining the microquantity  
of a metal. Zav. lab. 29 no.9:1148 '63. (MIRA 17:1)

1. Kazakhskiy gosudarstvennyy universitet imeni Kirova.

VAL'KO, A.V.; ZEBREVA, A.I.; LEVITSKAYA, S.A.; TOYBAYEV, B.K.

Electrochemical properties of indium-containing amalgams.  
Zhur. fiz. khim. 38 no.7:1839-1843 J1 '64.

(MIRA 18:3)

1. Kazakhskiy gosudarstvennyy universitet imeni Kirova.

VAL'KO, B.V., LYUDKEVICH, I.V. [Liudkevych, I.V.]; PRUSOV, I.A. [Prusov, I.O.]

Use of the nonlinear parameters method in determining the  
electrostatic field for a system of electrodes of small  
thickness. Visnyk. L'viv. un. Ser. mekh.-mat. no.1:50-53  
'65. (MIRA 18:12)

VALKO, E.

"Timely tasks of our technical societies."

Magyar Technika (Hungarian Engineering), No. 1, 1951

VALKO, E.

"New Type Societies in the Field of Science."

Elektrotehnika (Electrical Engineering) Vol. 14, No. 1-2, 1951

VALKO, E.

"Some problems of the organizational work of Hungarian scientific societies." p. 508.  
(Magyar Technika, Vol. 8, no. 9, Sept 53, Budapest)

SO: Monthly List of East European Acce...ons, Vol 3 No 2 Library of Congress Feb 54 Unclassified

VALKO, E.

"Opinion of Experts." p. 311 (MAGYAR TECHNIKA. Vol. 9, No. 11, Nov. 1954; Budapest, Hungary.)

So: Monthly List of East European Accessions, (EAL), LC, Vol. 4, No. 4, April 1955, Uncl..

VALKO, E.

"The Federation of Technical and Natural Sciences Associations Joins  
the Patriotic People's Front." p. 612 (MAGYAR TECHNIKA. Vol. 9, No. 11,  
Nov. 1954; Budapest, Hungary.)

So: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4,  
April 1955, Uncl..

VALKO, E.

Evolution of our technical intelligentsia. p. 1.

Report by activists of the Federation of Technological and Scientific Associations after their tour in the Soviet Union. p. 3.  
(MASZAKI ELET. No. 8, Apr. 1955. Budapest.)

SO: Monthly List of East European accession. (EEL) Lc. Vol 4 Nov. 11 Nov. 1955 Uncl.

VALKO, E.

On the road of communism. p. 65. Vol. 115, no. 2, Feb. 1956 TÖMBÖSZET ÉS  
TARSADALOM. Budapest, Hungary

Source: East European Accession List. Library of Congress  
Vol. 5, No. 3, August 1956

VALKO, Endre, dr.

Letter to the editor. Gepgyartastechn 1 no.1:4 Ap '61.

VALKO, Endre, dr.

Activity of the Union of Technical and Scientific Societies in  
Hungary. Tech praca 14 no.4:268-271 Ap '62.

1. Generalni tajemnik MTESZ, Budapest.

SZABO, Pal Zoltan; JONAS, Klara, dr.; VARADI, Gyorgy; BIRO, Antal;  
UPOR, Endre; RADO, Aladar; CZIRJAK, Imre; KOVACS, Jeno;  
VALKO, Endre, dr.; ADONYI, Ivan; FODOR, Gyorgy; OSZETZKY,  
Egon; KALMAR, Pal; DANYI, Dezsö; GYORGY, Karoly; OVARI, Antal;  
PHILIP, Miklos; BAKAI, Laszlo; JOO, Oszkarne; SZITAS, Lajos;  
HELLENYI, Miksa; KOLTA, Janos.

Formation of an uniform country organization for the Federation  
of Technical and Scientific Associations. Pecsi musz  
szeml 8 no.4:19-23 0-D'63.

1. "Pecsi Muszaki Szemle" foszerkesztoje (for Fodor).
2. "Pecsi Muszaki Szemle" szerkesztoje (for Hellenyi, Kolta  
and Oszetzky).

GAL, Odon, fomernok; VALKO, Endre, dr.; VARGA, Jozsef, dr., prof.

The Federation of Technical and Scientific Associations delegation  
in England. Musz elet 18 no.16:2 1 Ag '63.

1. Gepipari Tudomanyos Egyesulet fotitkara (for Gal).
2. Muszaki es Termeszettudomanyi Egyesuletek Szovetsege fotitkara  
(for Valko). 3. Muszaki es Termeszettudomanyi Egyesuletek  
Szovetsege alelnöke; Gepipari Tudomanyos Egyesulet elnöke (for  
Varga).

VALKO, Endre, dr.

Board meeting of the Federation of Technical and Scientific  
Associations. Musz elet 18 no.23:3 7 N '63.

1. Muszaki es Termeszettudomanyi Egyesuletek Szovetssege  
fotikkara.

VAL'KO, F.I.; KURKOV, S.P.

[Contribution of efficiency promoters to agriculture]  
Vklad ratsionalizatorov v sel'skoe khozaiistvo. Penza,  
Penzenskoe knizhnoe izd-vo, 1963. 55 p. (MIRA 17:9)

VALKO, Gabor

Standard design and aesthetics of drawing. Magy ep ipar 12 no.11/12:  
524-526 '63.

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858510006-7

VALKO, Gabor

Surprise at the foundation work of a building. Magy ep  
ipar 13 no.10;590-600 '64.

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858510006-7"

VALKO; HORGOS, Gyula, dr.

Association news. Gep 16 no. 6:238-240 Je '64.

1. Secretary General, Federation of Technical and Scientific  
Associations (for Valko).

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858510006-7

HALASZ, Istvan (Veresegyhaza); GEREI, Mihaly (Budapest); VALKO, Istvan  
(Budapest); BALLA, Janos (Debrecen); KOVACS, Tibor (Budapest)

Forum of the innovators. Ujito lap 15 no.3:30 10 F '63.

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858510006-7"

VALIKO, I.P.

VALIKO, I. PROSPECTS FOR THE DEVELOPMENT OF TRAVELING-WAVE TUBES IN MICROWAVE TECHNOLOGY  
ALSO REMARKS BY B. ADAMIS AND OTHERS. P. 29.

Vol. 16, No. 1, 1955.  
KÖZLEMÉNYEI  
TECHNOLOGY  
Budapest, Hungary

Sc: East European Accession, Vol. 5, No. 5, May 1956

VALKO, I. P.

Electroacoustic novelties in Austria. p. 24. NUSZAKI ELET. Budapest.  
Vol. 11, No. 5, Mar. 1956

SOURCE: East European Accessions List (EEAL) Library of Congress  
Vol. 5, No. 6, June 1956

VALKO, I.

Application of mechanical white noise for measurements of microphonism in  
electron tubes. In English. p. 229.  
(ACTA TECHNICA. Vol. 15, no. 1/2, 1956. Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957. Uncl.

104. Application of mechanically white noise for testing  
electron tube microphony, J. P. Valkó, Á. Kemény,  
L. Szűcs, Magyar Izsangyelkutatás, Vol. 8, 1957.  
No. 3, pp. 58-71, 24 figs., 3 tabs.

Two methods are used for testing the microphony of electron tubes. With one method a blow is delivered to the tube and the transient phenomenon in the anodic

circuit is observed, the results are unreliable. With the other method the tube is subjected to sinusoidal oscillations and the arising sinusoidal signal is observed while the oscillating frequency is varied. The measurement was long and tedious. The essence of a recently developed method is to permit the electron tube to vibrate by means of a "white" noise i.e. it is submitted to a force the spectrum of which contains all frequencies represented in equal ratio. The developing signal is a good characterization of the microphony. Besides an indicating instrument the equipment contains a noise generator with a thyratron tube, a low-pass filter, an amplifier and an electrodynamic vibrator. The requirements for the frequency response of the vibrator are very high. The equipment built on the new principle produces much better results from the standpoint of speed, reliability and reproducibility than the processes used hitherto. It is in better agreement with the individual users' practical experience as well.

"APPROVED FOR RELEASE: 08/31/2001

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APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858510006-7"

HUNGARY/Acoustics - Electroacoustics and Technical Acoustics

J-6

Abs Jour : Ref Zhur - Fizika, No 12, 1958, No 28430

Author : Valko Ivan

Inst : Not Given

Title : Theory of Cardioid Microphones.

Orig Pub : Kep-os hangtochn., 1958, 4, No 2, 23-36

Abstract : A theory and the design of a combined microphone are given. The equivalent circuit reduces to the form of T network elements; from the condition of the constancy of the frequency characteristic and of the directivity characteristic in the form of a cardioid, formulas are derived for the construction of the microphone.

Card : 1/1

VALKO, I. P.

TECHNOLOGY

PERIODICAL: MAGYAR HIRADASTECHNIKA. Vol. 9, no. 2/3, June 1958

Valko, I. P. Low-frequency noise of pentodes. p. 47.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 2,  
February 1959, Unclass.

VALKO, I.; KEMENY, A.; PALFI, A.

Radiation of pentodes at low frequency. In German. p. 103.

PERIODICA POLYTECHNICA. ELECTRICAL ENGINEERING. (Budapesti Műszaki Egyetem)  
Budapest, Hungary. Vol. 3, no. 2, 1959.

Monthly List of East European Accessions (EEAI) LC. Vol. 8, no. 12, Dec. 1959.

Ung1.

VALKO, I., GAL, J.

Traveling-wave tubes. p. 138

MAGYAR HIRADASTECHNIKA. (Hiradastechnikal Tudomanyos Egyesulet) Budapest, Hungary,  
Vol. 10, No. 4, August, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11, November 1959.  
Uncl.

VALKO, I.P.: FISCHER, F.

Cathode porosity and flicker noise; Funkel effect. Periodica polytechn  
electr 4 no.3:191-198 '60. (EEAI 10:5)

1. Lehrstuhl fur Elektronenrohren an der Technischen Universitat,  
Budapest und Forschungsinstitut fur die Nachrichtentechnische  
Industrie, Budapest.  
(Cathodes)

VALKO, Ivan Peter, a muszaki tudomanyok kandidatusa; REDL, Endre; HECKENAST,  
Gabor; MOLNAR, János; BUDINCSEVICS, A.; BODO, Zoltan

Luminescent noise of electronic tubes; also, remarks by E. Redl and  
others. Muszaki kozl MTA 26 no.1/4:173-182 '60. (EEAI 9:10)

1. Budapesti Muszaki Egyetem, Elektroncsotechnikai Tanszek (for  
Valko)  
(Electron tubes)

VALKO, Ivan Peter, a ·muszaki tudomanyok kandidatusa

Noisiness of acoustic instruments. Muszaki kozl MTA 27 no.3/4:313-  
332 '60.  
(EEAI 10:5)

1. Budapesti Muszaki Egyetem, Elektroncsfizikai Tanszek.  
(Microphone)

Measurement of transistor noise

S/194/62/000/012/053/101  
D271/D308

expressed by  $1/f^\alpha$  where  $1 < \alpha < 1.25$ . *[Abstracter's note: Complete translation.]*

Card 2/2

VALKO, I. P. (Budapest XI. Stoczek-utca 2. Ungarn.)

Investigation of the fizzling of semiconductors. Periodica polytechn  
electr 5 no.1:57-73 '61.

1. Lehrstuhl for Elektronrohren, Technische Universitat, Budapest.

(Semiconductors)

KENCZLER, Odon; VALKO, Ivan Peter, dr.

Hungarian and foreign initiatives for introducing the practical  
teaching of vacuum engineering at universities. Magy hir techn  
12 no.4:129-133 Ag '61.

1. Budapesti Muszaki Egyetem Elektroncsotechnikai Tanszek.

VALKO, Ivan Peter, dr., a muszaki tudomanyok doktora

Role of research on mensuration technology in the development  
of semiconductor implements. Hir techn 14:16-18 N Special issue  
'63.

1. "Hiradastechnika" szerkesztő bizottsagi tagja.

AMERCOZY, Andras, dr.; NAGY, Sandor; TASSINE ROSTAS, Marta;  
VALKO, Ivan Peter, dr.

Telemetry of physiological data. Meres automat 11 no.3:  
74-79 '63.

1. Budapesti Muszaki Egyetem.

AMBROZY, Andras, dr.; HIDAS, Gyorgy; VALKO, I.Peter, dr., a muszaki tudomanyok kandidatusa

Direct reading transistor noise factor meter. Hir techn 14 no.1:5-8 F '63.

1. Budapesti Muszaki Egyetem Elektroncsotechnikai Tanszek (for Ambrozy). 2. Hiradastechnikai Ipari Kutato Intezet (for Hidas).  
3. Budapesti Muszaki Egyetem Elektroncsotechnikai Tanszek, es "Hiradastechnika" szerkeszto bizottsagi tagja.

VALKO, Ivan Peter, dr., prof.

A new electronic measuring method. Ujít lap 15 no. 16:7  
25 Ag '63.

1. Budapesti Műszaki Egyetem Elektroncsovek és Felvezetők  
Tanszéke.

VAL'KO, I. Ya.

24374 VAL'KO, I. Ya. O kishechnykh krovetecheniakh pri sypnom tife. Vracheb.  
Dalo, 1949, No. 8, STB. 749-52.

SO: Letopis, No. 32, 1949.

LADISLAV VALKO

CZECHOSLOVAKIA/Physical Chemistry. Thermodynamics. Therme-  
chemistry. Equilibria. Physical-Chemical Analysis.  
Phase Transitions.

B

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73189.

Author : Ladislav Valko.

Inst :  
Title : Solution of Differential Equation of Diffusion  
Process Using  $\delta$  Function.

Abstract: The solution of the differential equation of the diffusion process along a half of an infinite straight line is given using the  $\delta$  function. The analytic expression of concentration (C) with the equation  $c(y, t) = (c_0/2V)^{1/2} \sqrt{Dt} \cdot \exp[-(y + y_0)^2 / 4Dt] + \exp[-(y - y_0)^2 / 4Dt]$ , where y is the coordinate and t is time, permits to follow the diffusion process in the unstable state

Card : 1/2

CZECHOSLOVAKIA/Physical Chemistry. Thermodynamics. Thermo-  
chemistry. Equilibria. Physical-Chemical Analysis.  
Phase Transitions.

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73189.

near the phase interface solution - solvent. Based  
on that equation, it is possible to compute the  
diffusion factor (D) only for the case of the con-  
centration diffusion by the concentration change of  
the diffusing substance in a definite place of the  
solution in a short period of time.

Card : 2/2

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Diffusion in polychlorides. Ringer's description of  
series 1963-1964. 3 12 1965

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858510006-7"

VALKO, Ladislav, inz., C.Sc.

Cryotechnology. Tech praca 15 no.1:28-32 J '63.

1. Katedra fyzikalnej chemie, Slovenska vysoka skola technicka,  
Bratislava.

VALKO, Ladislav, inz., C.Sc.

Diffusion flow passing through the phase boundary liquid-liquid.  
Pts. 1-2. Chem zvesti 17 no.4:221-236 '63.

1. Katedra fyzikalnej chemie, Slovenska vyšška skola technicka,  
Bratislava, Kollarovo namesti 2.

1636-66 EWP(j)/T RM  
ACCESSION NR: AP5024260

CZ/OC/3/64/000/009/0641/0654

39  
B

AUTHOR: Valko, L. (Engineer, Candidate of sciences)

TITLE: Thermodynamics of the deformation of chemical fibers. I. Application of the Oth-Tompa thermodynamics potential to an open system

SOURCE: Chemické zvesti, no. 9, 1964, 641-654

TOPIC TAGS: synthetic fiber, material deformation, thermodynamics, solution property, thermochemistry

Abstract [Author's German summary, modified]: The Oth-Tompa thermodynamic potential is used to derive general equations of state characterizing the chemical and thermal deformation of chemical fibers in phase equilibrium with the vapor or liquid phase of the conformation agent. A specific evaluation is made of the deformation of fibers when in contact with a pure liquid conformation agent and a solution of a polymer substance in the conformation agent. "We thank Professor, Dr. V. Kellov for discussion and remarks in work." 44,55

Orig. art. has: 52 formulas.

ASSOCIATION: Katedra fyzikálnej chemie Slovenskej vyskej školy technickej, Bratislava (Department of Physical Chemistry, Slovak Institute of Technology) 44,55

Card 1/2

L 1636-66

ACCESSION NR: AP5024260

SUBMITTED: 03Feb64

ENCL: 00

SUB CODES: MT, CC

NO REF Sov: 000

OTHER: 018

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KC  
Card 2/2

L 1369-66 EWP(j)/T RM  
ACCESSION NR: AP5024486

CZ/0043/64/000/011/0801/0812

AUTHOR: Valko, L. (Engineer) (Bratislava)

TITLE: Thermodynamics of deformation of chemical fibers. (II). Application of the Oth-Tompa thermodynamic potential to a closed system

SOURCE: Chemicke zvesti, no. 11, 1964, 801-812

TOPIC TAGS: thermodynamics, material deformation, synthetic fiber

ABSTRACT: The author used the Oth-Tompa thermodynamic potential J as a basis for the derivation of equations, that describe the thermal deformation of chemical fibers, containing a definite proportion of a substance with low molecular weight and of a polar nature. The derived equations of macroscopic thermodynamics for a closed system (fiber + low molecular weight substance) are correlated to Hermans' statistical model for a

Card 1/2

L 1369-66  
ACCESSION NR: AP5024486

net of polymer chains. The experimental confirmation of the equation may be made  
only under complicated physical conditions." I thank Docent, Engineer, J. Pouchlem,  
of the Macromolecular Chemistry Institute, CSAV, for his remarks about this work.<sup>4455</sup>  
Orig. art. has: 60 formulas.

9

ASSOCIATION: Katedra fyzikalnej chemie Slovenskej vysokej skoly technickej,  
Bratislava (Department of Physical Chemistry, Slovak Technical University) <sup>4455</sup>

SUBMITTED: 23Jan64

ENCL: 00

SUB CODE: MT, TD

NR REF Sov: 000

OTHER: 007

JFRS

Card 2/2 *dg*

VALKO, Ladislav, inz., C.Sc.

Thermodynamic condition of chemicomechanical equilibrium.  
Chem zvesti 19 no.1:3-12 '65.

1. Chair of Physical Chemistry of the Slovak Higher School of  
Technology, Bratislava Kollarovo namestie 2.

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858510006-7

VALKO, L.

"Thermodynamics of small systems" by T.L.Hill. Reviewed by L.Valko.  
Chem zvesti 19 no.4:318 '65.

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858510006-7"

VALKO, Marton, Kossuth-dijas

The development of production technology is a key issue. Ujít lap  
12. no. 3:5-6 10 F '60.

1. Lenin Kohászati Művek igazgatója.

VALYK, R.

Hemp

Sowing southern hemp in strips. Nolkh. reisv., 14, no. 3, 1942

- 2  
9. Monthly List of Russian Accessions, Library of Congress, June 1952, Uncl.

15

CA

*Apocynum sibiricum culture. N. S. Val'ko. Trudui Inst. Novogo Lubyano-go Suir'ya (Trans. New Bash-Fiber Research Inst.) 4, 3-30(1933)*  
Contrary to general beliefs, A pocymnum responds very favorable to a complete fertiliser and combinations of N and P and of N and K. K and P without N are not effective. The plant can stand only very low concn. of chlorides (at 1% the plants dies), whereas it tolerates 4 times as much sulfate.

J. S. Joffe

USSR/Cultivated Plants - Technical, Oily, Oilyinous, Saponiferous.

11-7

Abs Jour : Ref Zhur - Biol., No 9, 1956, 39424

Author : Val'ko, N.S.

Inst : Krasnodar Scientific Research Institute of Agriculture.

Title : The Disposition of Southern Rape in the Crop-Rotation.

Orig Pub : Byul. nauchno-tekhn. inform. Krasnodarsk. n.-i. in-ta s. k.. 1957, vyp. 1, 9-11.

Abstract : No abstract.

Card 1/1

- 120 -

USSR/Cultivated Plants - Technical, Oil-bearing, Sacchariferous. 18-7

Abs Jour : Ref Zbir - Biol., No 9, 1953, 39423

Author : Val'ko, N.S.

Inst : All-Union Scientific Research Institute of East Cultivation

Title : The Place of Southern Hemp in the Crop-Rotation.

Orig Pub : Tr. Vses. n. i. inst. lub. kul'tur, 1957, vyp. 22, 3-24.

Abstract : No abstract.

Card 1/1

USSR/Cultivated Plants - Commercial. Oil-Bearing. Sugar-Bearing. M-2

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29904

Author : Val'ko, N.S., Kalinichenko, T.V.

Inst : The All-Union Scientific Research Institute for Fiber Crops.

Title : The Sowing Times for Gambo Hemp in Northern Caucasia.

Orig Pub : Tr. Vses. n.-i. in-t lub. kul'tur, 1957, vyp. 22, 138-142.

Abstract : No abstract.

Card 1/1

- 22 -

USSR/Cultivated Plants - Commercial. Oil-Bearing. Sugar-Bearing. M-5

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29899

Author : Val'ko, N.S.

Inst : The All-Union Scientific Research Institute for Fiber Crops.

Title : The Effectiveness of Additional Pollination in the Southern Hemp.

Orig Pub : Tr. Vses. n.-i. in-t lub. kul'tur, 1957, vyp. 22, 143-147

Abstract : No abstract.

Card 1/1

- 19 -